



SAFETY DATA SHEET

Product: MARC 287 FULL COURT PREP

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 287 FULL COURT PREP**

SDS DATE: 02/17/2022

SUPPLIER: Mid-American Research Chemical Corp.

ADDRESS: P. O. Box 927 • Columbus, NE 68602-0927

PHONE: 402-564-7104 FAX: 402-563-1290

EMERGENCY PHONE: InfoTrac 1-800-535-5053

E-MAIL: marc1@marc1.com

WEBSITE: www.marc1.com

RECOMMENDED USE: Gym floor cleaner and restorer.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

CLASSIFICATION: Skin sensitization category 1; Carcinogenicity category 2.

SIGNAL WORD AND HAZARD AND PRECAUTIONARY STATEMENTS-- WARNING: May cause allergic reaction.

Suspected of causing cancer. Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Avoid breathing vapor. Contaminated work clothing should not be allowed out of the workplace. **Response** : IF exposed or concerned: Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. **Storage** : Store locked up. **Disposal**: Dispose of contents and container in accordance with all local, regional, national and international regulations.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS NO.	%
Coconut oil diethanolamide	68603-42-9	<1
Diethanolamine	111-42-2	<0.3

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. **SKIN:** Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash contaminated clothing before reuse. Clean shoes thoroughly before reuse. **INGESTION:** Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. **DO NOT INDUCE VOMITING** unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. **INHALATION:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. **NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. **SPECIFIC TREATMENTS:** No specific treatment. **PROTECTION OF FIRST-AIDERS:** No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. **SEE TOXICOLOGICAL INFORMATION (Section 11).**

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use an extinguishing agent suitable for the surrounding fire. **UNSUITABLE EXTINGUISHING MEDIA:** None known. **SPECIAL FIRE FIGHTING PROCEDURES/PROTECTIVE EQUIPMENT:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. **UNUSUAL FIRE AND EXPLOSION HAZARDS:** In a fire or if heated, a pressure increase will occur and the



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container may burst. **HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposition products may include the following materials: carbon dioxide, carbon monoxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

FOR NON-EMERGENCY PERSONNEL: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. **FOR EMERGENCY PROCEDURES:** Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". **PROTECTIVE EQUIPMENT:** Use personal protective devices as stated in Section 8. **METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** **SMALL SPILL:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. **LARGE SPILL:** Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (See Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: See Section 1 for emergency contact information.

SECTION 7: HANDLING AND STORAGE

GENERAL/SAFE HANDLING: Put on appropriate personal protective equipment (See Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure – obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. **OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN!** Carefully read label before use. If medical advice is needed, have product container or label at hand. **STORAGE:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Store locked up. Keep container lightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT NAME	EXPOSURE LIMITS
Diethanolamine	ACGIH TLV (United States, 3/2020). Absorbed through skin. TWA: 1 mg/m ³ 8 hours. Form: Inhalable fraction and vapor OSHA PEL 1989 (United States, 3/1989). TWA: 3 ppm 8 hours. TWA: 15 mg/m ³ 8 hours. NIOSH REL (United States, 10/2016). TWA: 3 ppm 10 hours. TWA: 15 mg/m ³ 10 hours.

ENGINEERING CONTROLS: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. **VENTILATION:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. **RESPIRATORY PROTECTION:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. **EYE/FACE PROTECTION:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Safety glasses with side-shields. **SKIN PROTECTION/PROTECTIVE GLOVES:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. **OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Personal protective equipment for the body, appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that eyewash stations and safety showers are close to the workstation location. **WORK HYGIENIC PRACTICES:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-
PHYSICAL STATE/COLOR: Liquid, light yellow.
ODOR: Citrus.
ODOR THRESHOLD: Not available.
SOLUBILITY IN WATER: Not available.
SPECIFIC GRAVITY: 1 g/cm³
MELTING POINT: 0°C (32°F)
BOILING POINT: 100°C (212°F)
pH: 9.7 to 10.7
FLASH POINT/METHOD USED: Closed cup: >98.89°C (>210°F) [No sustained]
EVAPORATION RATE: Not Available.
FLAMMABILITY (solid, gas): Not available.
FLAMMABILITY LIMITS: **LOWER and UPPER:** Not available.
VAPOR PRESSURE (mmHg): <4 kPa (<30 mm Hg) [room temperature]
VAPOR DENSITY (AIR = 1): >1 [Air = 1]
AUTO-IGNITION TEMPERATURE: Not available.
DECOMPOSITION TEMPERATURE: Not available.
VISCOSITY: Not available.
VOC CONTENT: 1.4%

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No specific test data related to reactivity available for this product or its ingredients. **STABILITY:** Stable. **CONDITIONS TO AVOID:** No specific data. **INCOMPATIBILITY (MATERIAL TO AVOID):** No specific data. **HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Under normal conditions of storage and use, hazardous decomposition products should not be produced. **HAZARDOUS POLYMERIZATION:** No. **CONDITIONS TO AVOID (POLYMERIZATION):** N/A.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Product/ingredient name	Result	Species	Dose
Coconut oil diethanolamide	LD50 Dermal	Rabbit	12200 mg/kg
	LD50 Oral	Rat	1600 mg/kg
Diethanolamine	LD50 Dermal	Rabbit	12200 mg/kg
	LD50 Oral	Rat	710 mg/kg

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION
Coconut oil diethanolamide	Eyes – Severe irritant	Rabbit	-	100 Microliters	-
	Skin – Moderate irritant	Rabbit		300 microliters	
Diethanolamine	Eyes – Severe irritant	Rabbit	-	24 hours 75 microliters	-
	Eyes – Severe irritant	Rabbit		5500 mg	
	Skin – Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin – Mild irritant	Rabbit		50 Milligrams	

SENSITIZATION: d-Limonene-sensitizing (skin-rabbit). **MUTAGENICITY:** Not available. **CARCINOGENICITY:** Not available.

CLASSIFICATION

PRODUCT/INGREDIENT NAME	OSHA	IARC	NTP
Coconut oil diethanolamide	-	2B	-
Diethanolamine	-	2B	-

REPRODUCTIVE TOXICITY: Not available. **TERATOGENICITY:** Not available. **SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):** Not available. **SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE):** Not available. **ASPIRATION HAZARD:** d-Limonene Category 1. **INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:** Not available.

POTENTIAL ACUTE HEALTH EFFECTS-- EYES: No known significant effects or critical hazards. **SKIN:** May cause an allergic skin reaction. **INGESTION:** No known significant effects or critical hazards. **INHALATION:** No known significant effects or critical hazards.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS-- EYES: No specific data. **SKIN:** Adverse symptoms may include the following: irritation, redness. **INGESTION:** No specific data. **INHALATION:** No specific data.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE: Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. **Carcinogenicity:** Suspected of causing cancer. Risk of cancer depends on duration and level of exposure. **Mutagenicity:** No known significant effects or critical hazards.



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Teratogenicity: No known significant effects or critical hazards. **Developmental effects:** No known significant effects or critical hazards.
Fertility effects: No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

PRODUCT/INGREDIENT NAME	RESULTS	SPECIES	EXPOSURE
Diethanolamine	Acute EC50 2.1 mg/l	Algae – Pseudokirchneriella	96 hours
		Subcapitata	
	Acute LC50 28800 µg/l Fresh Water	Crustaceans – Ceriodaphnia dubia	48 hours
		– Neonate	
	Acute LC50 2150 µg/l Fresh Water	Daphnia – Daphnia pulex	48 hours
	Acute LC50 100 µg/l Fresh Water	Fish – Pimephales promelas –	96 hours
		Juvenile (Fledgling, Hatchling,	
		Weanling)	

PERSISTENCE AND DEGRADABILITY: Not available.

BIOACCUMULATIVE POTENTIAL

PRODUCT/INGREDIENT NAME	LogPow	BCP	Potential
Diethanolamine	-1.43	-	low

MOBILITY IN SOIL: Not available. **OTHER ADVERSE EFFECTS:** No known significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (for ground/non-bulk containers)

CONTAINER SIZES(S): All
PROPER SHIPPING NAME: COMPOUND, CLEANING LIQUID.
HAZARD CLASS: None
ID NUMBER: None
PACKING GROUP: None
LABEL STATEMENT: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: All components are listed or exempted. **CLEAN AIR ACT SECTION 112 (b) Hazardous Air Pollutants (HAPs):** Listed. **TSCA (TOXIC SUBSTANCE CONTROL ACT):** N/A. **CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** N/A. **SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** N/A. **SARA 311/312 HAZARD CATEGORIES:** SKIN SENSITIZATION - Category 1; CARCINOGENICITY - Category 2. **SARA Title III, Section 313 Components:** N/A.

COMPOSITION/INFORMATION ON INGREDIENTS

Name	%	Classification
Coconut oil diethanolamide	<1	ACUTE TOXICITY (oral) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 2
Diethanolamine	≤0.3	ACUTE TOXICITY (oral) - Category 4 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 2

STATE REGULATIONS - CALIFORNIA PROP. 65 WARNING: This product contains a chemical known to the State of California to cause cancer.

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 2, Flammability = 0, Reactivity = 0

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.